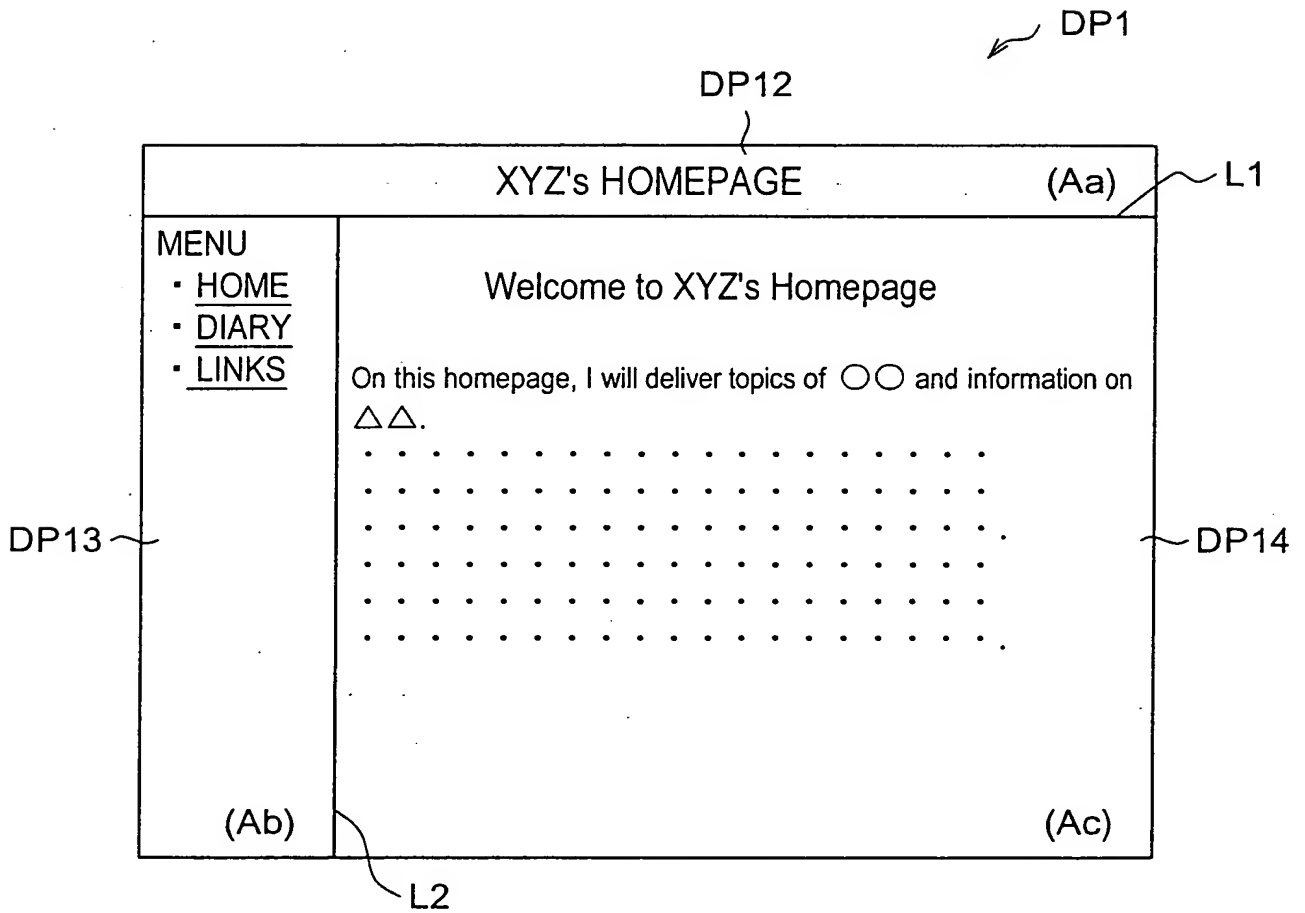


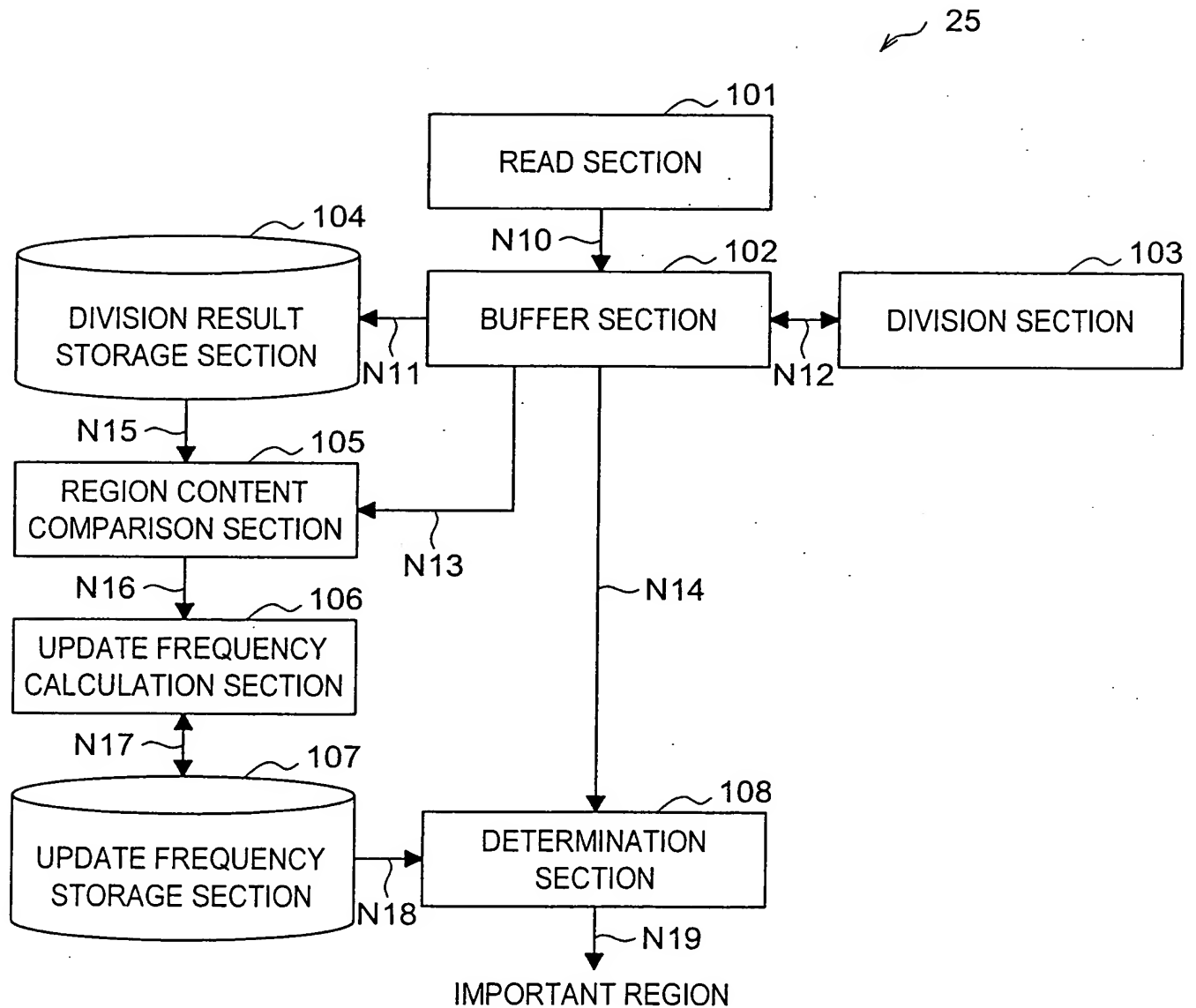
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FIG.1



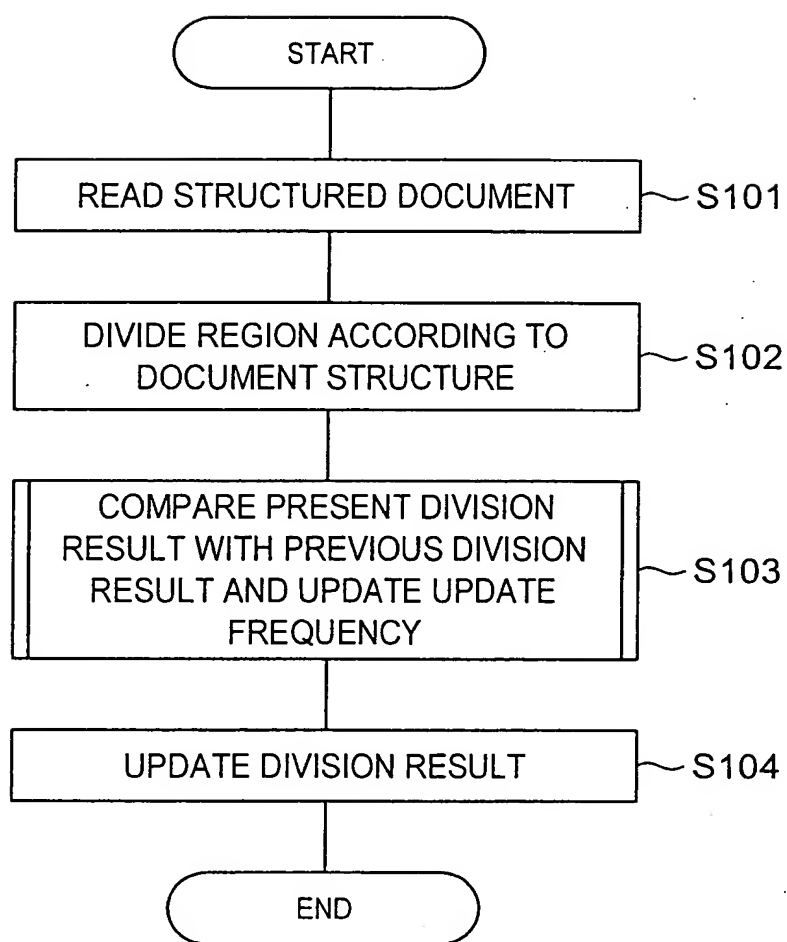
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FIG.2



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FIG.3



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FIG.4A

↙ DP11(URL11)

index.html

```
<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.0 Frames//EN">
<HTML>
<HEAD>
<TITLE>XYZ'sHomepage </TITLE>
</HEAD>
<FRAMESET rows="10%.**">
TG12 ~ <FRAME src="title.html" name ="title">
      <FRAMESET cols="15%.**">
TG13 ~ <FRAME src="menu.html" name ="menu">
TG14 ~ <FRAME src="main.html" name ="main">
      <NOFRAMES>
      <P>For visitors who use non-frame browser, click here.</P>
      <P><A href="menu.html">MENU</A>
      <A href=main.html">main</A></P>
      </NOFRAMES>
      </FRAMESET>
</HTML>
```

FIG.4B

↙ DP12(URL12)

title.html

```
<HTML>
<HEAD>
<TITLE>title</TITLE>
</HEAD>
<BASEFONT size=7 color=#008000>
<CENTER>
XYZ'sHomepage
</CENTER>
</HTML>
```

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FIG.4C

menu.html

DP13(URL13)

```
<HTML>
<HEAD>
<TITLE>menu</TITLE>
</HEAD>
<BODY>
<BASEFONT size=5 color="blue">
<ULL>MENU
<LI><A href="home.html" target="main">HOME</A>
<LI><A href="diary.html" target="main">DIARY</A>
<LI><A href="links.html" target="main">LINKS</A>
</ULL>
</BODY>
</HTML>
```

FIG.4D

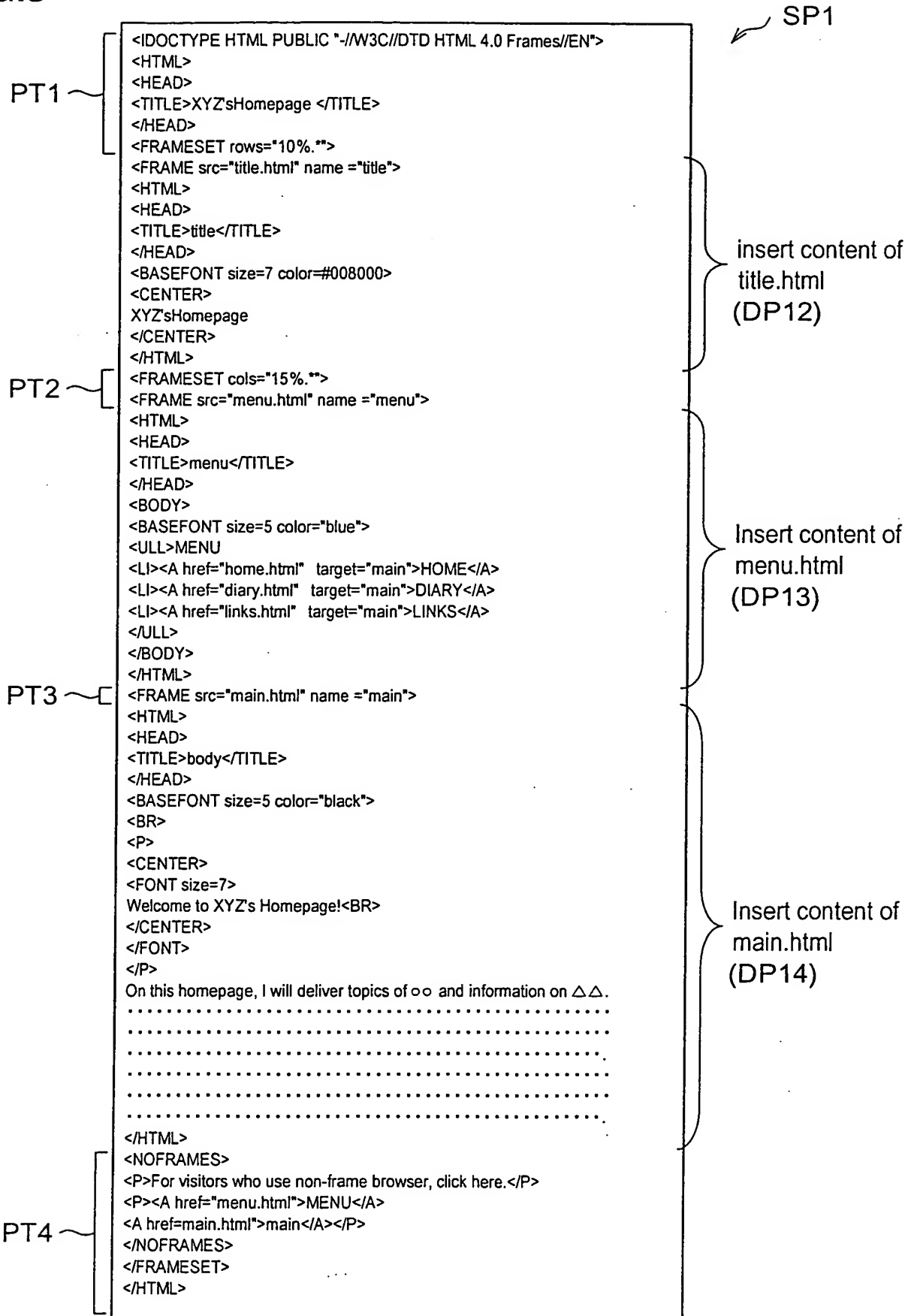
main.html

DP14(URL14)

```
<HTML>
<HEAD>
<TITLE>body</TITLE>
</HEAD>
<BASEFONT size=5 color="black">
<BR>
<P>
<CENTER>
<FONT size=7>
Welcome to XYZ's Homepage!<BR>
</CENTER>
</FONT>
</P>
On this homepage, I will deliver topics of ○○ and information on △△.
.....
.....
.....
.....
.....
.....
</HTML>
```

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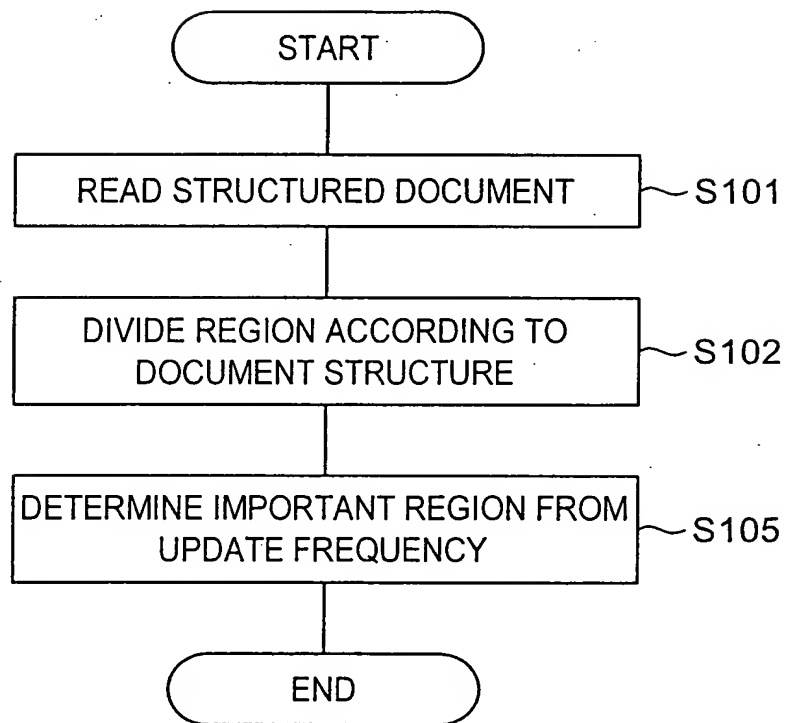
FIG.5



<pre> <HTML> <HEAD> <TITLE>title</TITLE> </HEAD> <BASEFONT size=7 color=#008000> <CENTER> XYZ'sHomepage </CENTER> </HTML> </pre>	<p>← DP12</p>
<pre> <HTML> <HEAD> <TITLE>menu</TITLE> </HEAD> <BODY> <BASEFONT size=5 color="blue"> <U>MENU HOME DIARY LINKS </U> </BODY> </HTML> </pre>	<p>← DP13</p>
<pre> <HTML> <HEAD> <TITLE>body</TITLE> </HEAD> <BASEFONT size=5 color="black">
 <P> <CENTER> Welcome to XYZ's Homepage!
 </CENTER> </P> On this homepage, I will deliver topics of ○○ and information on △△. </pre>	<p>← DP14</p>

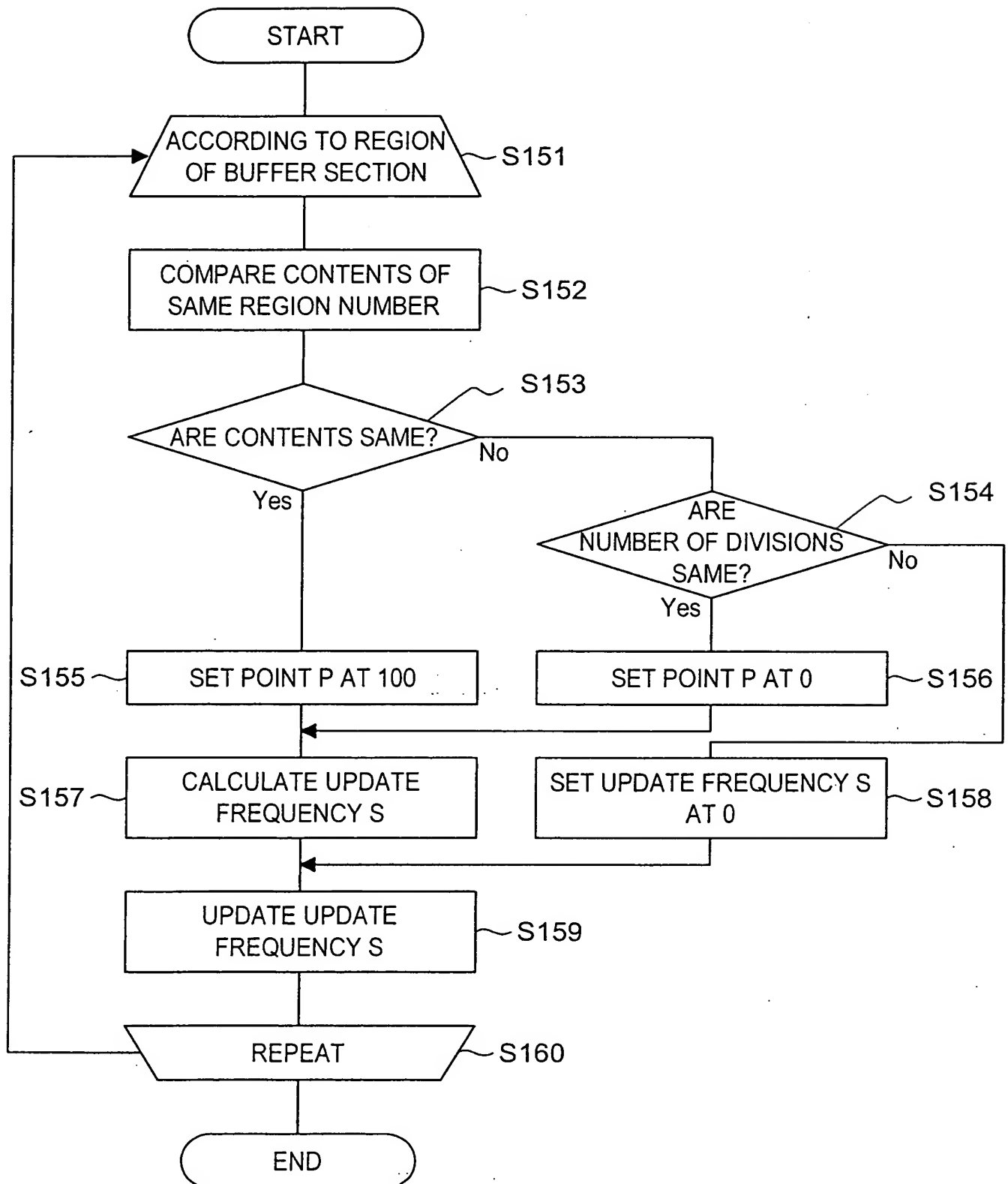
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FIG.7



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FIG.8



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FIG.9

	COMPARISON RESULT	POINT P	PREVIOUS UPDATE FREQUENCY S_0	UPDATE FREQUENCY S
REGION 1	SAME	100	73	78
REGION 2	SAME	100	73	78
REGION 3	DIFFERENT	0	46	37

if $\alpha = 0.8$

$$73 \times 0.8 + 100 \times (1 - 0.8) \doteq 78$$

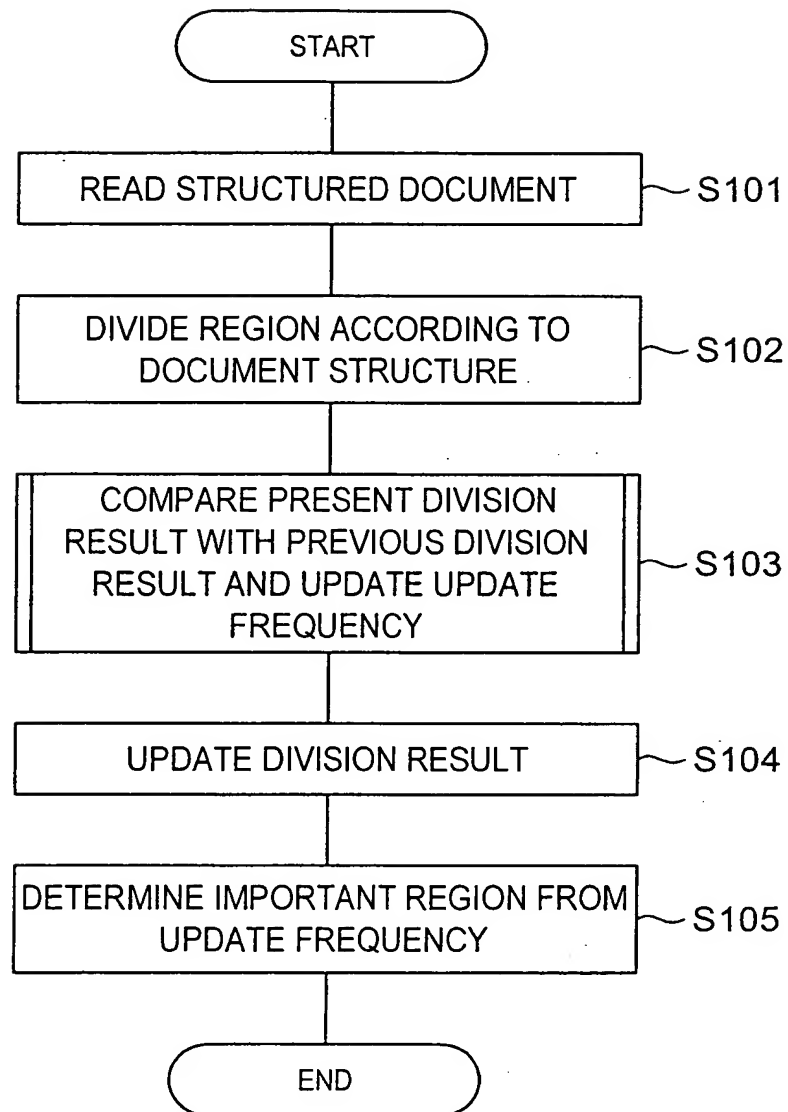
$$46 \times 0.8 + 0 \times (1 - 0.8) \doteq 37$$

FIG.10

	COMPARISON RESULT	POINT P	PREVIOUS UPDATE FREQUENCY S_0	UPDATE FREQUENCY S
REGION 1	SAME	100	73	78
REGION 2	DIFFERENT	—	73	0
REGION 3	DIFFERENT	—	46	0
REGION 4	NO COMPARISON TARGET	—	—	0

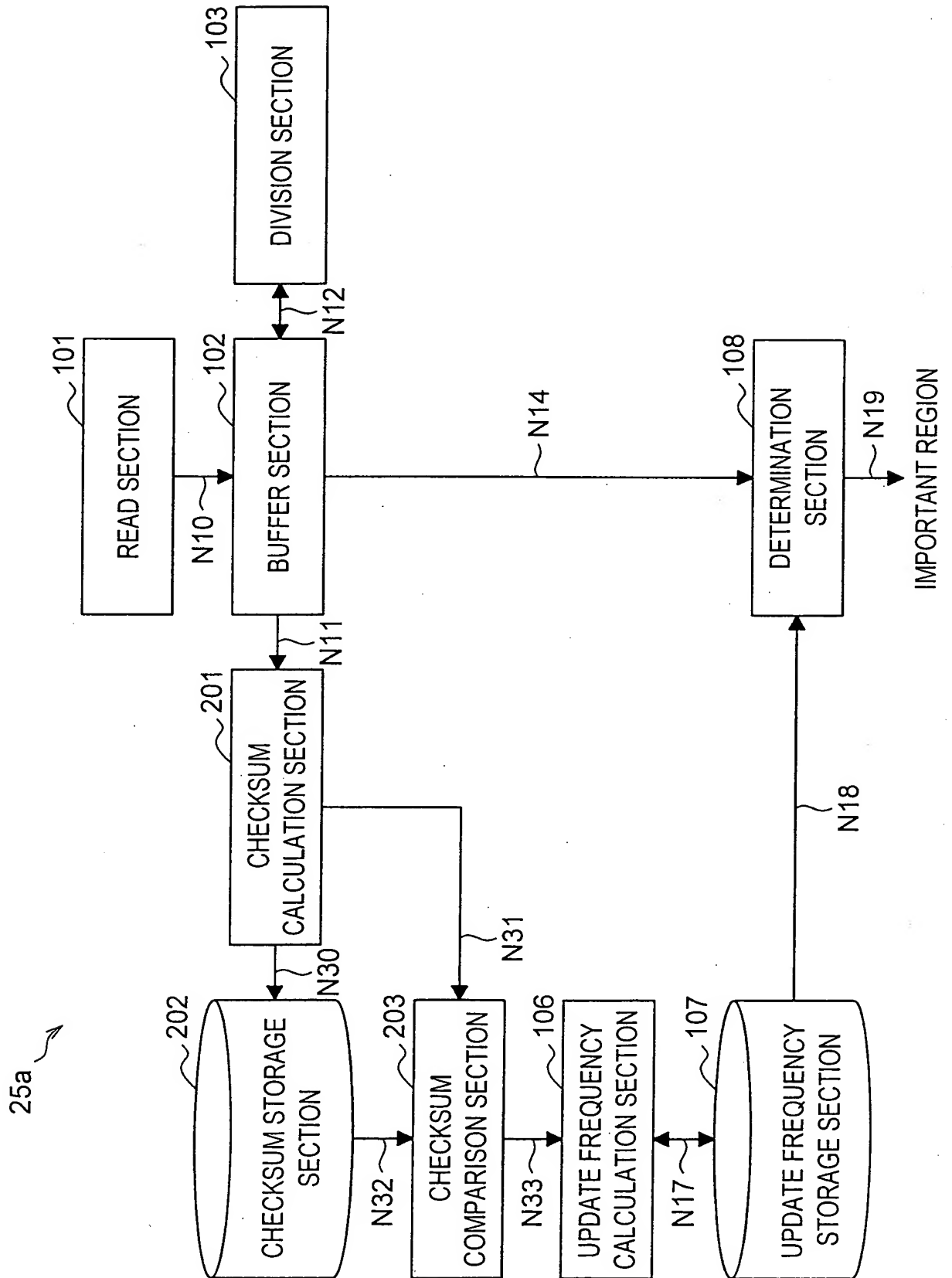
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FIG.11



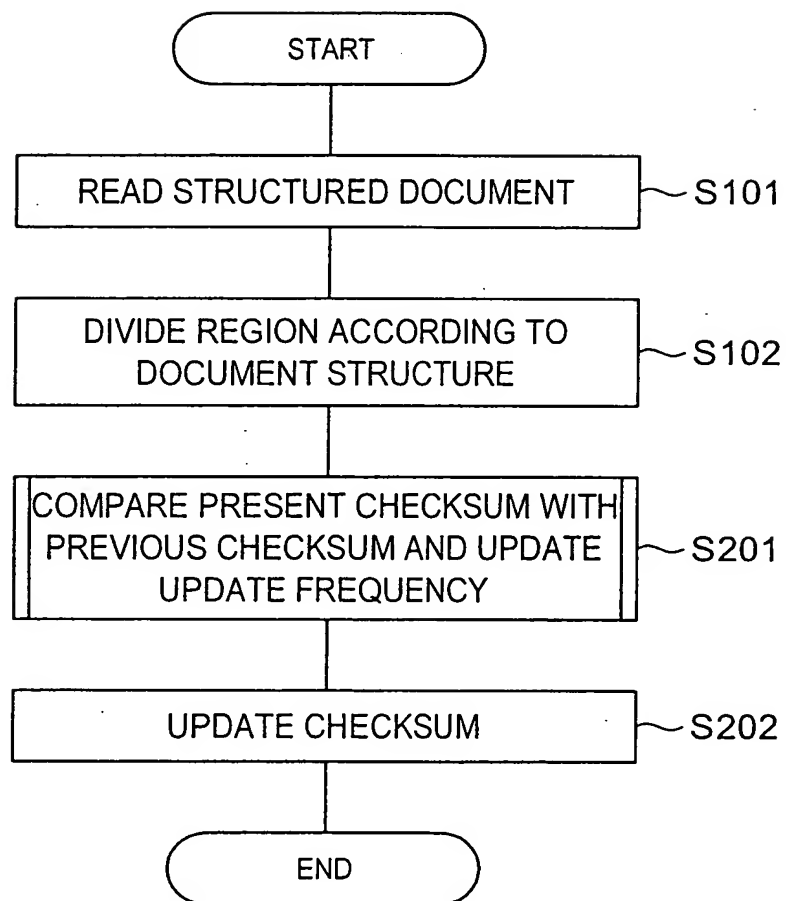
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FIG.12



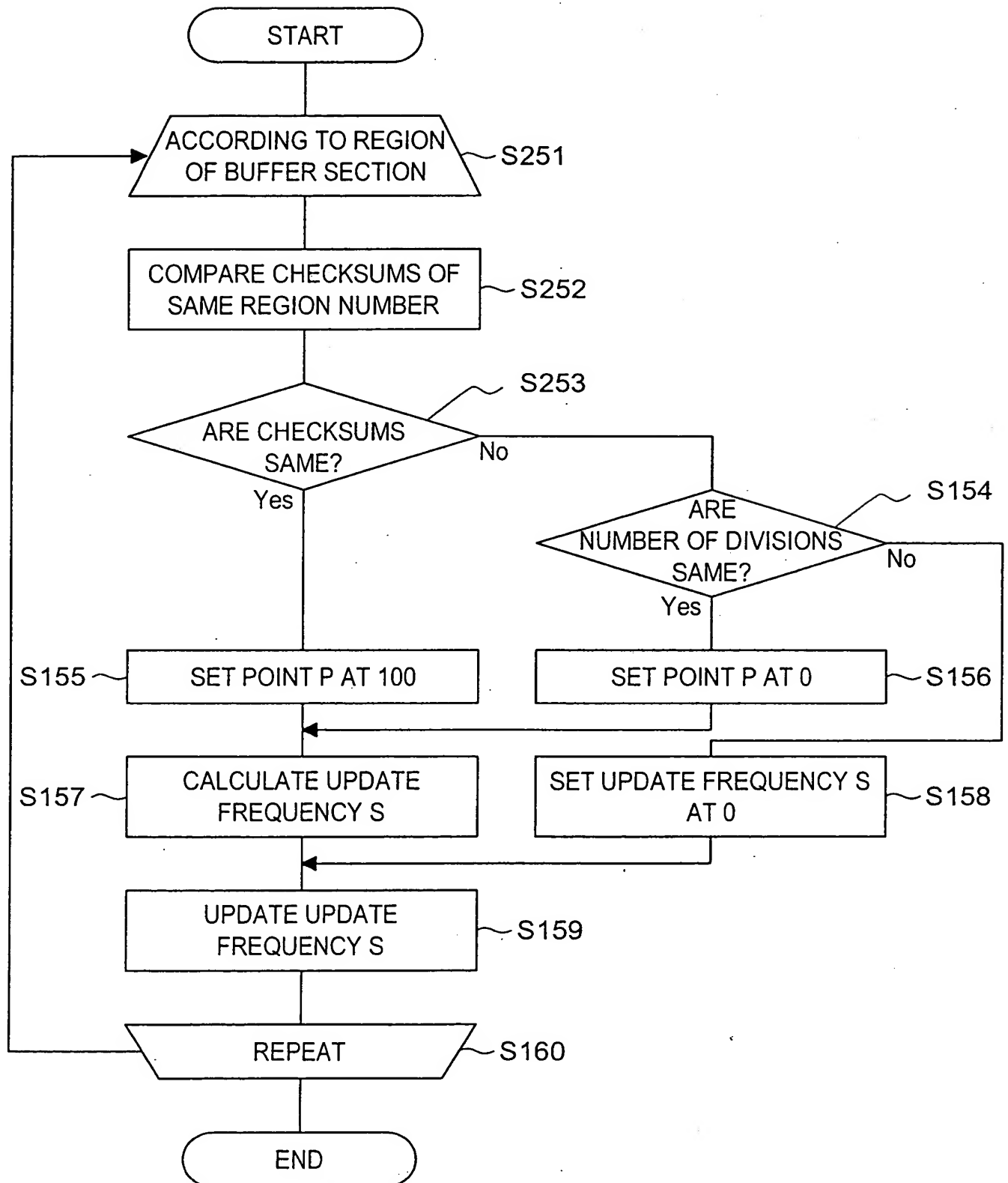
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FIG.13



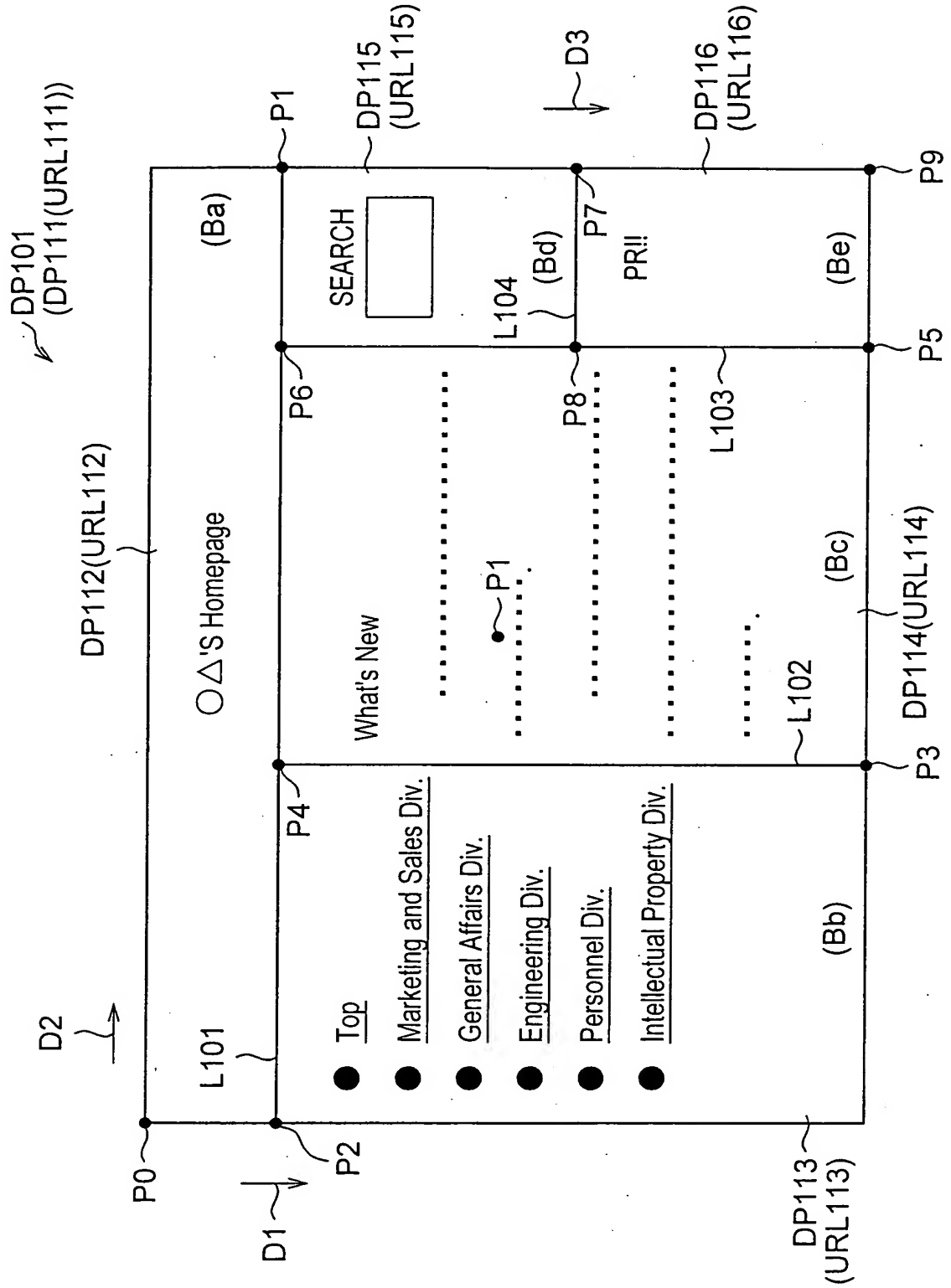
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FIG.14



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FIG.15



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FIG.16

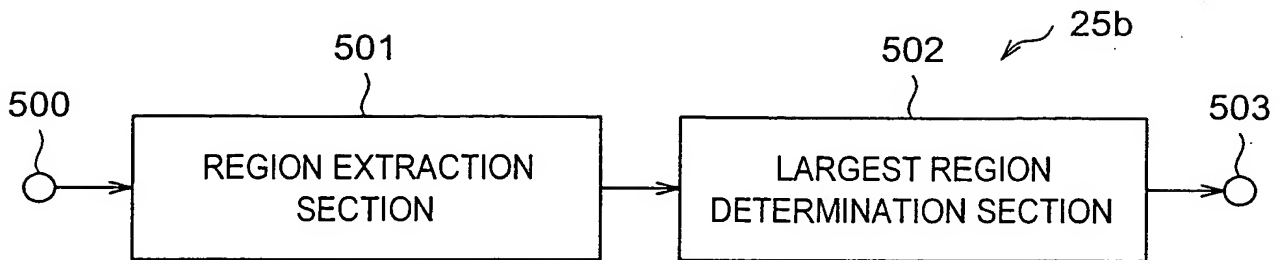
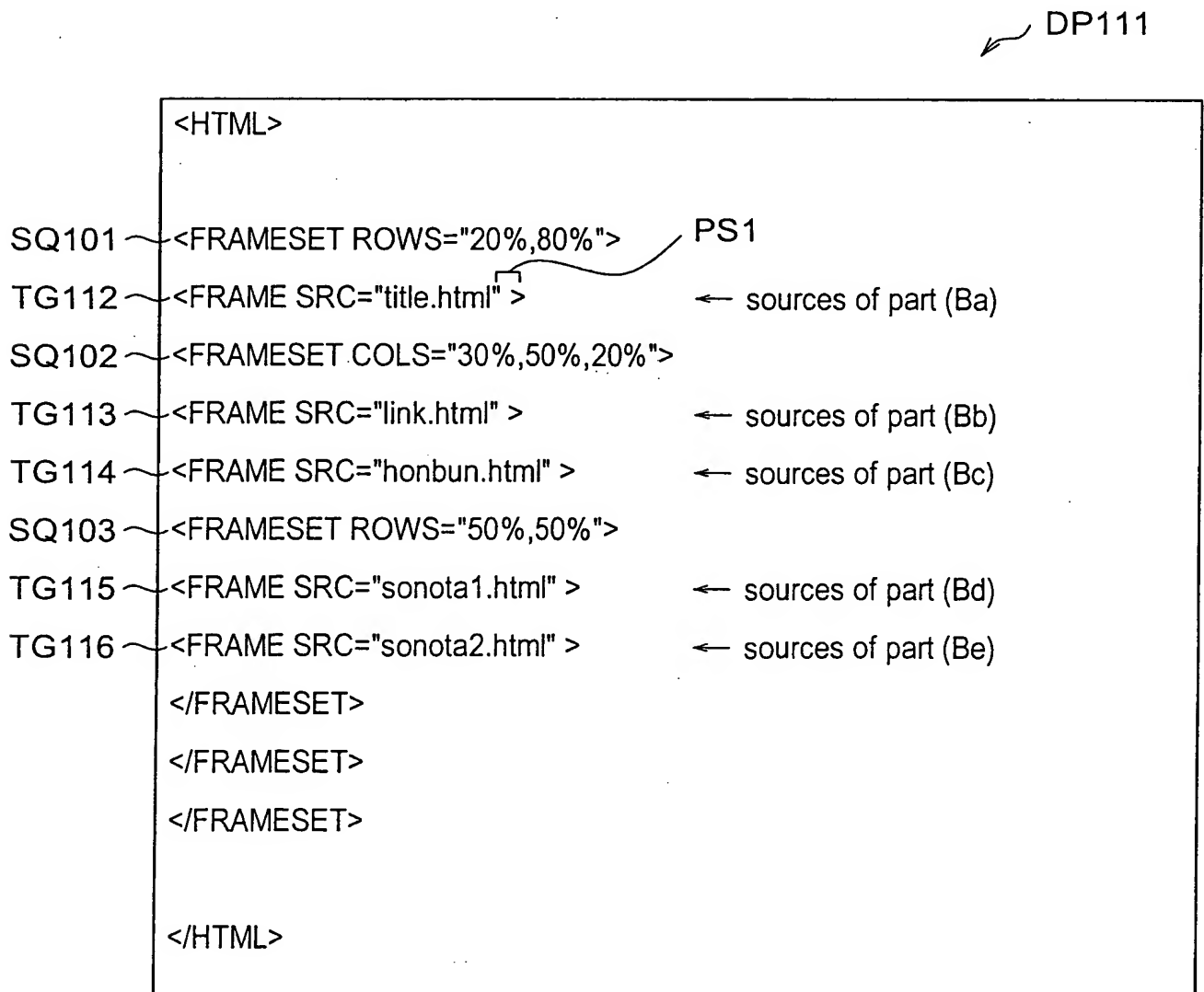


FIG.17



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FIG.18

RD101	~ (20, <FRAME SRC="title.html" >)	← sources of part (Ba)
RD102	~ (24, <FRAME SRC="link.html" >)	← sources of part (Bb)
RD103	~ (40, <FRAME SRC="honbun.html" >)	← sources of part (Bc)
RD104	~ (8, <FRAME SRC="sonota1.html" >)	← sources of part (Bd)
RD105	~ (8, <FRAME SRC="sonota2.html" >)	← sources of part (Be)

FIG.19

<FRAME SRC="honbun.html" >

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FIG.20

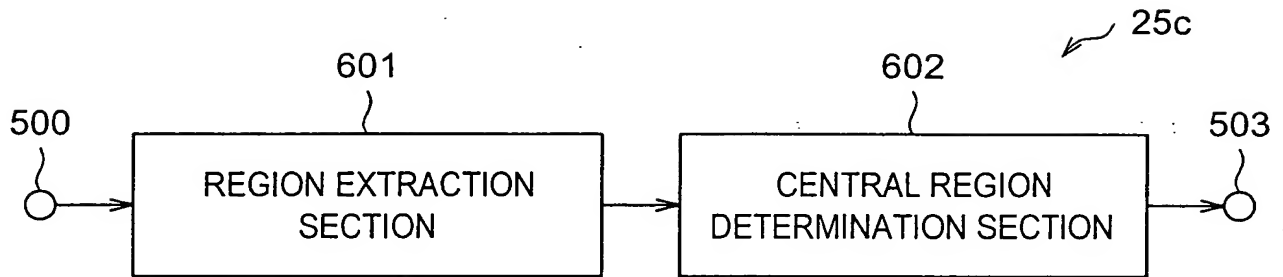
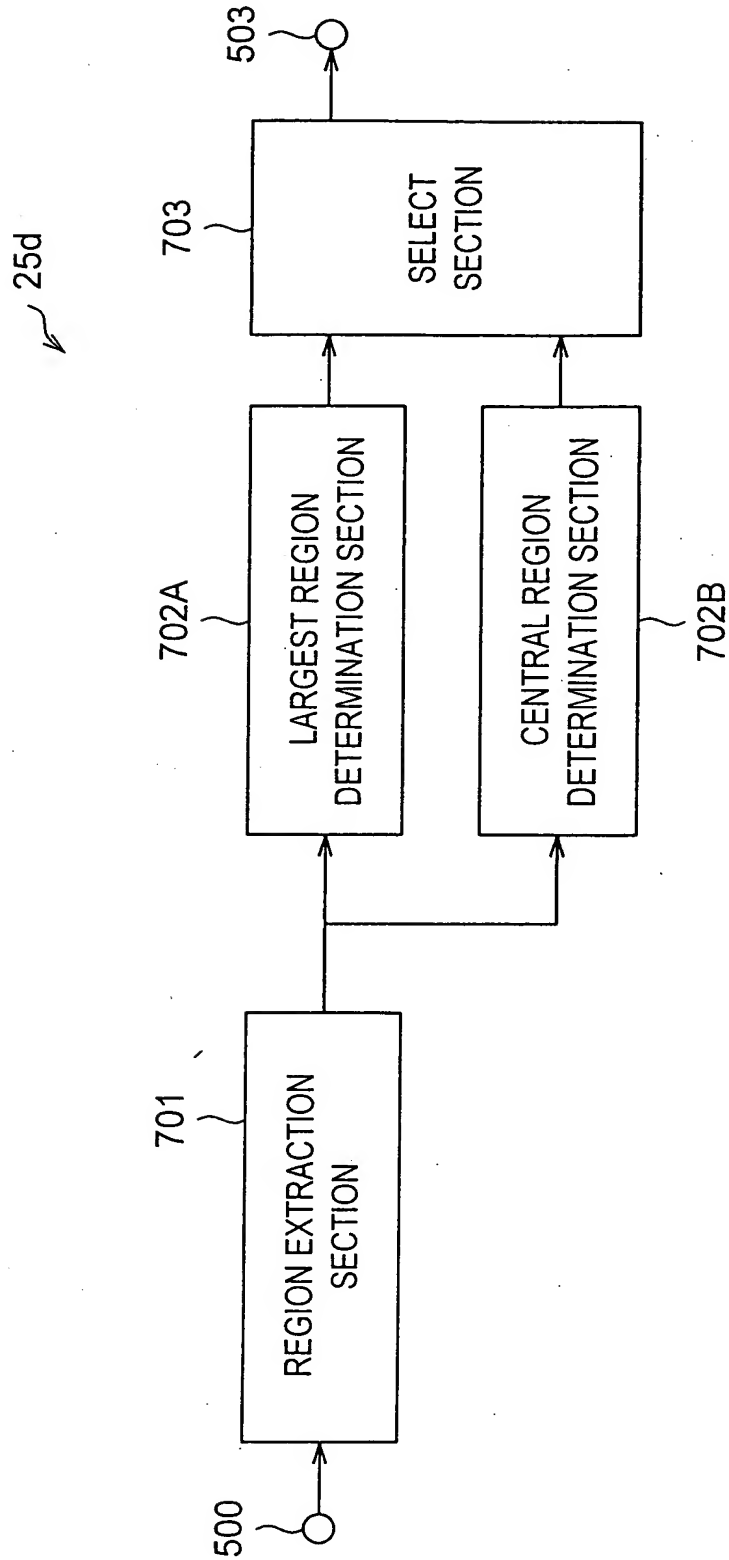


FIG.21

RD111	~ ((0,0), (100,20), <FRAME SRC="title.html" >)	← sources of part (Ba)
RD112	~ ((0,20), (30,100), <FRAME SRC="link.html" >)	← sources of part (Bb)
RD113	~ ((30,20), (80,100), <FRAME SRC="honbun.html" >)	← sources of part (Bc)
RD114	~ ((80,20), (100,60), <FRAME SRC="sonota1.html" >)	← sources of part (Bd)
RD115	~ ((80,60), (100,100) <FRAME SRC="sonota2.html" >)	← sources of part (Be)

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FIG.22

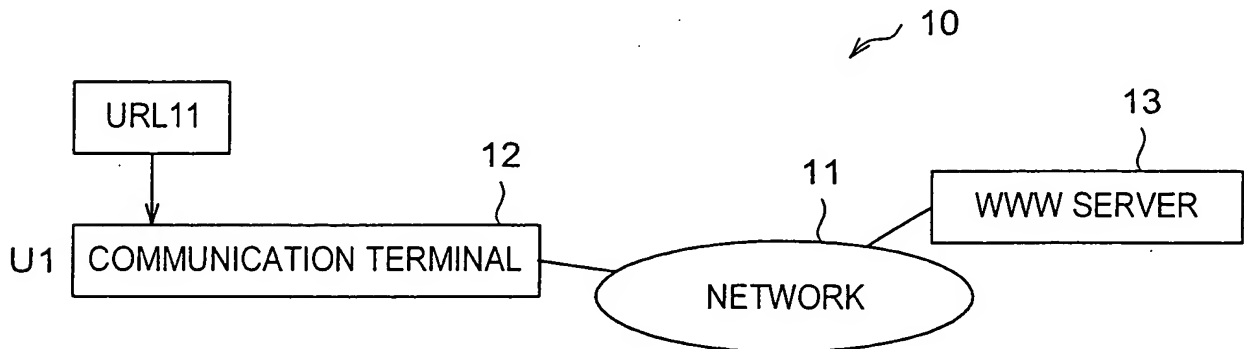


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FIG.23

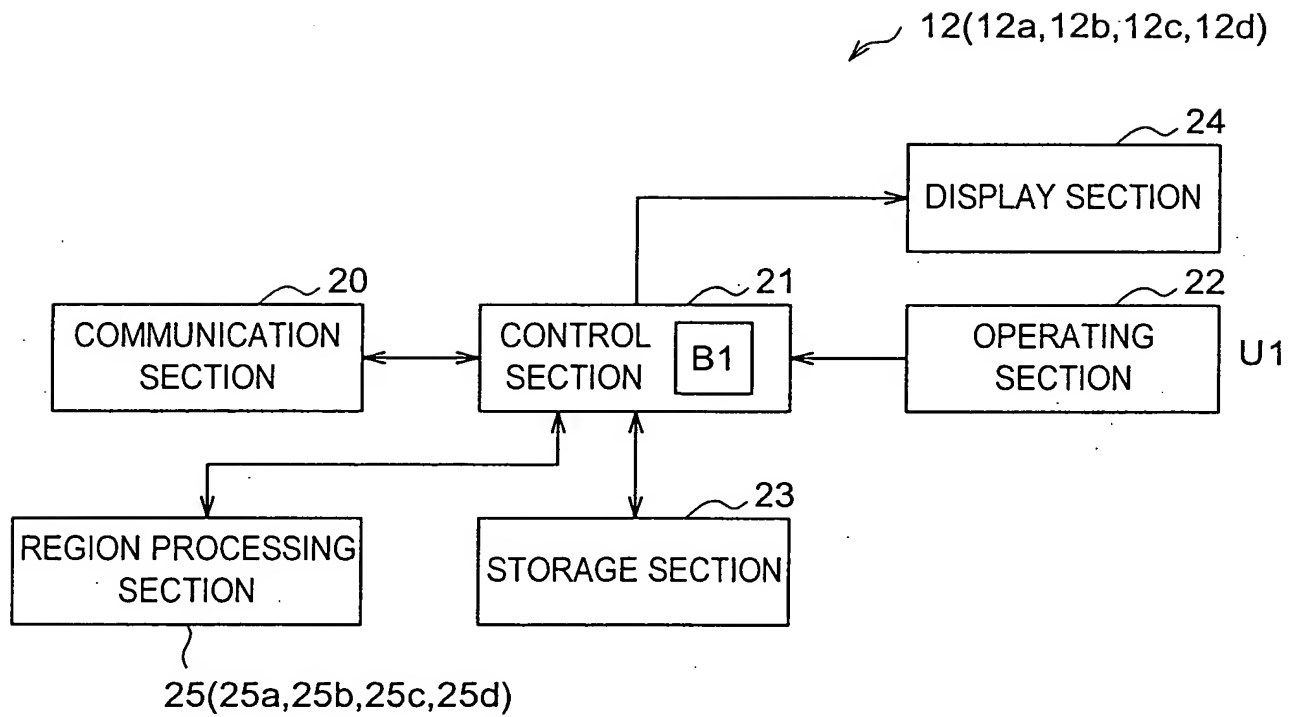
RD121	~	(20, (0,0), (100,20), <FRAME SRC="title.html" >)	← sources of part (Ba)
RD122	~	(24, (0,20), (30,100), <FRAME SRC="link.html" >)	← sources of part (Bb)
RD123	~	(40, (30,20), (80,100), <FRAME SRC="honbun.html" >)	← sources of part (Bc)
RD124	~	(8, (80,20), (100,60), <FRAME SRC="sonota1.html" >)	← sources of part (Bd)
RD125	~	(8, (80,60), (100,100) <FRAME SRC="sonota2.html" >)	← sources of part (Be)

FIG.24



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FIG.25



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FIG.26

